AMENDMENTS

- A method to determine a time domain 1. (Currently Amended) equalized signal-to-noise ratio of a data mass storage device, the method comprising the steps of:
 - reading data having a pseudo-random pattern from the data storage device to obtain read data; and
 - (a) verification of read data at a phase level; and
 - (b) calculating retrying a time domain equalized signal-to-noise ratio from the read data at a global level.
- The method of claim 4 claim 1, wherein the 2. (Currently Amended) verifying step retrying step (a) further comprises the steps of:
 - (a)(1) verifying all phases of the read data;
 - (a)(2) determining a qualification of all phases of the read data; and
 - (a)(3)—determining exhaustion of phase level retry.
- The method of <u>claim 4claim 1</u>, wherein the 3. (Currently Amended) calculating step retrying step (b) further comprises the steps of:
 - (b)(1) comparing the time domain equalized signal-to-noise ratio to a predetermined threshold; and
 - (b)(2) determining the exhaustion of global level retry.

- 4. (Currently Amended) A The method to determine a time domain equalized signal-to-noise ratio of a data storage device, of claim 1, wherein the method comprising further comprises the steps of:
 - (e)—filling a write buffer of the mass-storage device with data, the data having a pseudo-random pattern;
 - (d) setting a read channel of the mass storage device to output sampled analog to digital converted data to a NRZ bus of the mass storage device;
 - (e) writing the write buffer to a media of the <u>data</u> mass storage device; and
 - (f)—reading all phases of the data stored on the media, yielding read data;

verifying the read data at a phase level; and calculating a time domain equalized signal-to-noise ratio at a global level.

- 5. (Canceled)
- 6. (Canceled)
- 7. (Currently Amended) The method of claim 4, wherein the method further comprises the step of:
 - (e) calculating a time domain equalized signal-to-noise ratio from the read data.
- 8. (Canceled)

- 9. (Currently Amended) The method of <u>claim 4 claim 7</u>, wherein the method further comprises the step of:
 - (c)—determining that the <u>data mass</u> storage device passed or failed.
- 10. (Currently Amended) The method of claim 1, wherein the <u>data</u> mass storage device further comprises a disc drive.
- 11. (Currently Amended) A <u>data storage device tester disc drive</u> comprising:

a-base;

a disc rotatably attached to the base;

an actuator for carrying a transducer head in a transducing relation with respect to the disc; and

a data storage medium; and

a disc drive controller, operably communicatively coupled to the

data storage medium actuator, the controller operably

programmed to:

read data having a pseudo-random pattern from the

storage medium to obtain read data; and

retry verification of read data at a phase level; and

calculate retry a time domain equalized signal-to-noise

ratio from the read data at a global level.

- 12. (Canceled)
- 13. (Canceled)

- 14. (Currently Amended) The <u>data storage device tester disc drive</u> of claim 11, wherein the controller is further programmed to: verify all phases of the read data; determine a qualification of all phases of the read data; and determine exhaustion of phase level retry.
- 15. (Currently Amended) The <u>data storage device tester disc drive</u> of claim 14, wherein the controller is further programmed to:

 compare the time domain equalized signal-to-noise ratio to a predetermined threshold; and determine the exhaustion of global level retry.
- 16. (Currently Amended) The <u>data storage device tester disc drive</u> of claim 11, wherein the <u>data storage medium</u> disc drive further comprises a magnetic disc drive.
- 17. (Currently Amended) The <u>data storage device tester disc drive</u> of claim 11, wherein the <u>data storage medium</u> disc drive further comprises an optical disc drive.

- 18. (Withdrawn) A method to test a mass storage device, the method comprising the steps of:
 - (a) downloading Equalized Signal-to Noise Ratio (ESNR) determining firmware to a memory of the mass storage device;
 - (b) determining an ESNR value of the recording medium of the mass storage device, by executing the ESNR determining firmware; and
 - (c) determining rejection or acceptance of the recording medium of the mass storage device, from the ESNR value.
- 19. (Withdrawn) The method of claim 18, wherein the determining step (b) further comprises:
- (b)(1) performing the ESNR determining firmware, yielding an ESNR value.
- 20. (Withdrawn) The method of claim 18, wherein the mass storage device further comprises a disc drive.
- 21. (Withdrawn) An information handling system comprising: a mass storage device; and a means to determine a time domain equalized signal-to-noise-ratio of the mass storage device.

- 22. (Canceled)
- 23. (Canceled)
- 24. (Canceled)
- 25. (Previously Presented) An apparatus configured to perform the method of claim 1.
- 26. (Canceled)